

Product datasheet for **MG205858**

Fnta (BC012711) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fnta (BC012711) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fnta
Synonyms:	FTA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205858 representing BC012711 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCGGCCACCGAGGGGTGCGGAATCTGCGGCAGGCGGCGAGCCGGGACAGCCGGAGCAGCCCGC
CCCCGCTCCGCCCGCCAGCACAGCAGCGCAGGAAGAAGAGATGGCGGCTGAGGCCGGGAAGCGG
GGCGTCCCCTATGGACGACGGTTTCTGAGCCTGGACTCGCCACCTATGTCTTGACAGGGACAGAGCA
GAATGGGCTGATATAGACCCAGTGCCCCAGAATGACGGCCCTAACCCAGTGGTCCAGATCATCTACAGTG
AAAAGTTTAGAGATGTTTATGATTACTTCCGAGCTGTTCTGCAGCGCGATGAGAGGAGCGAACGAGCCTT
TAAGCTCACCCGAGACGCTATTGAGTTAAACGCGGCCAACTACACAGTGTGGCATTTCGGAGAGTTCTC
TTAAGATCGCTTCAAAAGGATCTACAAGAGGAAATGAACTACATCACTGCGATAATTGAGGAGCAGCCCA
AAAATATCAAGTTTGGCACCACAGGCGAGTATTAGTGAATGGCTGAAAGATCCTTCTCAAGAGCTTGA
ATTCATTGCCAACATTCTTAGTCAGGATGCCAAGAATTACCATGCCTGGCAGCATCGACAGTGGTCATT
CAGGAGTTCGACTTTGGGATAATGAGCTGCAGTATGTAGACCAGCTTCTCAAAGAGGATGTGAGGAATA
ACTCTGTGTGGAACCAAGACACTTCGTCATTTCTAACACCACTGGCTACAGTGACCGCGCGGTGTTAGA
GCGAGAAGTCCAGTATACTCTGGAATGATCAAGTTAGTGCCGCATAATGAGAGCGCATGGAACCTACCTG
AAAGGGATTCTGCAGGACCGTGGTCTTTCTAGATACCCCTAATCTATTAATCAGTTGCTTGATTTACAAC
CAAGCCACAGTTCTCCGTACCTGATTGCCTTTCTTGATGATGTCTATGAAGACATGCTAGAAAACCAAGTG
TGACAACAAGGAGGACATTCTTAATAAAGCACTAGAGTTATGTGAGATCCTAGCTAAAGAAAAGGACACT
ATAAGAAAGGAATATTGGAGGTATTGGACGGTCCCTTCAGAGTAAACACTGCAGAGAAAGTGACATAC
CGCGAGTGTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


[View online »](#)

Protein Sequence: >MG205858 representing BC012711
 Red=Cloning site Green=Tags(s)

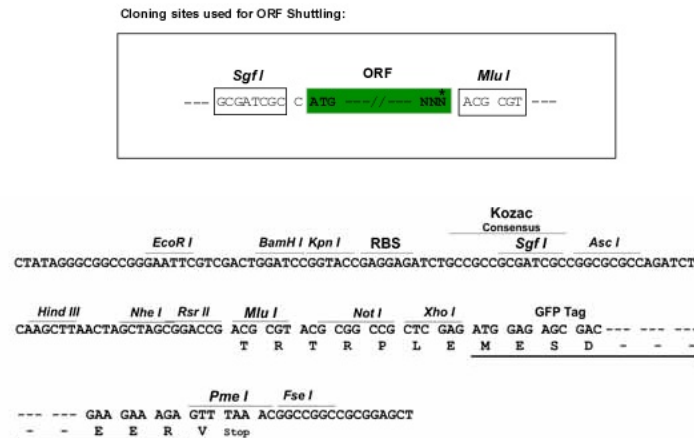
MAATEGVGESAAGGEPGQPEQPPPPPPPPAQQPQEEEMAAEAGEAAASPMDDGFLSLDSPTYVL YRDRA
 EWADIDPVPQNDGPNPVVQIIYSEKFRDYYDYFRAVLQORDERSEAFKL TRDAIELNAANYTVWHFRRVL
 LRSLQKDLQEEMNYITAIIEEQPKNYQVWHRRVLVEWLKDP SQELEFIANILSQDAKNYHAWQHRQWVI
 QEFRLWDNELQYVDQLLKEDVRNNSVWNQRHFVISNTTGYSRAVLEREVQYTLEM IKLVPHNESAWNLY
 KGILQDRGLSRYPNLLNQLLDLQPSHSSPYLIAFLVDVYEDMLENQCDNKEDILNKALELCEILAKEKDT
 IRKEYWRYIGRSLQSKHCRES DIPASV

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: BC012711

ORF Size: 1133 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: BC012711, AAH12711

RefSeq Size: 1671 bp

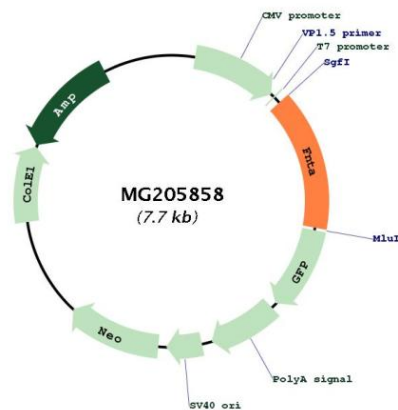
RefSeq ORF: 1133 bp

Locus ID: 14272

Cytogenetics: 8 14.27 cM

Gene Summary: Essential subunit of both the farnesyltransferase and the geranylgeranyltransferase complex. Contributes to the transfer of a farnesyl or geranylgeranyl moiety from farnesyl or geranylgeranyl diphosphate to a cysteine at the fourth position from the C-terminus of several proteins having the C-terminal sequence Cys-aliphatic-aliphatic-X. May positively regulate neuromuscular junction development downstream of MUSK via its function in RAC1 prenylation and activation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG205858